SUBSTITUTE SPECIFICATION*

Style Definition: Heading 1: Font: Times New Roman, 12 pt, Not Bold, Space After: 12 pt

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FIELD OF THE INVENTION		`\[Formatted: Right
100041			Formatted: Font: Bold, Italic
[0001]	The invention relates to ammunition for firearms and pneumatic		Deleted: FILED
	smooth-bore weapons and can be used for producing bullets for cartridges	` , }	Formatted: Heading 1
	for hunting and sporting guns.	}	Deleted: Deleted: 0f
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BACKGROUND ART			Tomated Floriday 1
[0002]	An arrow-shaped bullet is known in the conventional art. This	1	Deleted: from the priorturned performed as
	bullet is produced from a solid bar, the front part of which is tapered and	/	
	the rear part of which is deformed to create an aerodynamic empennage		
	(tail section) in the shape of longitudinal surfaces (see U.S. Pat. No. //	,	***************************************
	3,846,878, published on Nov. 12, 1974).	- {	Deleted: Reference 1
[0003]	The disadvantage of the method for producing such a bullet is its	-	Deleted:
looosi			Deleted: drawback Deleted: thislow processabili
	high manufacturing complexity.	- ({	Deleted: from the priorthat is chosen
100041	Another method for producing an arrow-shaped bullet is known in	Ζļ	as the closest prior art ([4]
	the conventional art, see U.S. Pat. No. 5,515,785, published on May 14,		Formatted: Bullets and Numbering
	1996. This method deforms the rear part of a tubular blank to create an	-1	Deleted: Reference 2
	aerodynamic empennage (tail section) and insert a functional filling (core)		Deleted:)¶ e knowncomprises the steps of[5]
		{	Deleted: inserting
	in the tube's cavity. The rear part of a tubular blank is deformed by	7	Deleted:¶
	inelastic deformation (plastic flow) of the tube's material, and the	/ \	[6]
	thickness of the tube's walls is altered.	,	
[0005]	After the empennage is <u>formed</u> , a core is inserted in the tube's	- 1	Formatted: Numbered + Level: 1 + Numbering Style: 01, 02, 03, +
	cavityA core can have a granular or jelly filling, e.g., a load released at		Start at: 1 + Alignment: Left + Aligned at: 0 pt + Tab after: 72 pt +
			Indent at: 36 pt
	the moment the bullet hits the target. This core is kept in the tube's cavity		Deleted: composed[7]
	by friction or capillary forces. This method is not used for inserting solid	\mathbb{Z}	Deleted: ¶
	cores, e.g. metal cores,		Deleted: ¶
[0006] The disadvantage of this method is its high manufacturing		. }	[8]
	complexity. Also, a bullet produced by this method cannot be used for	1	Deleted: ¶ Deleted: drawbackthe [0]
	commercial or sport hunting.		Deleted: drawbackthe [9] Deleted: low processability [10]
roows		Y	Deleted: ¶
100071	A cartridge comprising a shell having means for inflammation (a	V	A [11]
	primer), a propelling charge, a damage agent, and one or more wads is	1	Deleted: killing a target at [12] Formatted: Bullets and Numbering

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also known in the conventional art (see U.S. Pat. No. 5,239,928, published	Formatted: Font: Bold, Italic
on Aug. 31, 1993). The drawback of this cartridge is that it is not possible	Formatted: Centered Deleted: from the prior
to use arrow-shaped bullets.	Deleted: from the prior [13]
to use arrow-snaped buncis	Deleted: ¶
BRIEF DESCRIPTION OF THE DRAWINGS	therein [14]
[0008] FIG. 1 illustrates a method for producing a bullet according to the	Formatted: Bullets and Numbering
claimed method	Deleted:the scheme [15]
[0009] FIG. 2 illustrates a method of longitudinally clamping a blank	Deleted:the scheme [16]
between two crimping matrixes.	
[0010] FIG. 3 illustrates a bullet with an extractor in the shape of an	Deleted:form [17]
aerodynamic needle.	
[0011] FIG. 4 illustrates the ammunition cartridge with muzzle wads and a	Deleted:form [18]
bullet having an extractor in the shape of an aerodynamic needle and the	
ammunition in which the damage agent is further fastened with a spring.	
[0012] FIG. 5 illustrates a multi-bullet ammunition cartridge, with bullets	Deleted: sintos [19]
fastened through the bottom wads, and single-bullet ammunition cartridge.	
DESCRIPTION OF THE INVENTION	
The object of the present invention is to remove the above	Formatted: Bullets and Numbering
drawbacks, namely, to develop an inexpensive relatively simple method	Deleted: a highly processablekilling
for producing a bullet suitable for different kinds of targets and having low	[20]
aerodynamic resistance, and also to develop an ammunition (cartridge) in	
which this bullet is used.	
In order to achieve this object, a method for producing an arrow-	Deleted: in thethat comprisestsaidthe
shaped bullet <u>includes</u> the steps of deforming the rear part of a tubular	thereof,said,said
blank to create the aerodynamic empennage (tail section, or tail fins) and	
inserting a core inside the front part of the tubular blank. The core is	
inserted in the tubular blank before its deformation. The core is fastened	
inside the blank by a simultaneous deformation of the front and rear parts	
of the blank. The deformation is carried out by pressing the blank walls	
without altering the thickness thereof.	

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[8015] A second object of the invention is a bullet produced by the	Formatted: Font: Bold, Italic
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method described above.	Deleted: The [22]
[0016] In the preferred embodiments of the invention, the deformation is	
carried out by longitudinally clamping the blank between two crimping	
matrices. In order to keep the bullet inside the ammunition, and while it	Deleted: x
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moves up the bore in the front part of the core, an extractor is added to the	Deleted: ¶
core's material, and the core is inserted in the blank. The extractor	Deleted: made in
protruding beyond the edge of the blank, to make it possible to clamp the	Deleted: , t
front part of the blank.	Deleted: latter.
	Deleted: perf [23]
The extractor is formed to be geometrically coupled with the	Deleted: ¶
muzzle wadWhen the core is produced as a combination of a metal	Deleted: the material of [24]
armoring rod and a soft filling, the extractor is made of the metal of the	[[24]]
core's rod. The extractor is formed in the shape of an aerodynamic	Deleted: ¶
	Deleted: perform [25]
needle, in order to improve the bullet's aerodynamic propertiesThe core	Deleted: ¶
is formed as a set of damage agents in order to increase the impact effect	Deleted: perdamage [26]
of the bullet.	
[8018] Another object of the invention is providing an ammunition	Deleted: The
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cartridge comprising a shell with a means of inflammation (primer), a	Polotodi keing
propelling charge, one or more wads, and a damage agent, including one	Deleted: being [27]
or more bullets produced by the method described above.	
To fasten a damage agent in the ammunition, a securing spring is	Formatted: Numbered + Level: 1 +
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further added that generally follows the shape of the damage agent in the	Aligned at: 0 pt + Tab after: 72 pt + Indent at: 36 pt

further added that generally follows the shape of the damage agent in the compressed state and thereby keeps the compressed shell. The spring is fastened in the segments of the muzzle wad. The damage agent is inserted therein. The spring is elastically deformed by compressing it and fixing it inside the damage agent, and the spring is inserted in the compressed state in the ammunition.

In order to fasten several bullets in a simple cartridge, a through bottom wad is further produced having openings for the surfaces of the bullets' tail sections. The wad is inserted in the ammunition in such a way that the wad is inserted between the propelling charge and the bullets'

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... [28]

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central portions. The surfaces of the bullets' <u>tail sections</u> fit into the wad's openings, and the bullets' <u>tail sections</u> protrude beyond the wad's <u>forward</u> boundary and are inserted into the propelling charge's material.

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<#>BRIEF DESCRIPTION OF THE
DRAWINGS¶

<#>FIG. 1 illustrates the scheme for producing a bullet according to the claimed method. \P

<#>FIG. 2 illustrates the scheme of longitudinal clamping a blank between two crimping matrixes. ¶

<#>FIG. 3 illustrates a bullet with an extractor in the form of an aerodynamic needle. ¶

<#>FIG. 4 illustrates the ammunition with muzzle wads and a bullet having an extractor in the form of an aerodynamic needle and the ammunition in which the damage agent is further fastened with a spring. ¶

FIG. 5 illustrates multi-bullet ammunitions with bullets fastened into through the bottom wads, and single-bullet ammunitions.

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<#>CITED REFERENCES ¶
<#>U.S. Pat. No. 3,846,878, IPC 7B21K
21/06, published on Nov. 12, 1974. ¶
<#>2. U.S. Pat. No. 5,515,785, IPC
7F42B 12/00, published on May 14, 1996. ¶

<#>3. U.S. Pat. No. 5,239,928, IPC 7 F42B 7/10, published on Aug. 31, 1993.¶